

AMENDMENTS TO THE SPECIFICATION

After the title, please insert the following paragraph:

This is a division of United States patent application No. 10/050,727, filed on January 16, 2002, now U.S. Pat. No. 6,619,936 issued September 16, 2003. The disclosures of the above applications are incorporated herein by reference.

Please replace Paragraph [0031] with the following paragraph:

[0031] Referring now to Figures 4 and 5, the positioning of vapor injection port 104 is illustrated in relation to scroll wraps 60 and 72. As can be seen in Figures 4 and 5, scroll wraps 60 and 72 [[as]] are asymmetrically designed. Non-orbiting scroll wrap 72 extends an additional angular amount to provide the asymmetrical profile. In the preferred embodiment, non-orbiting scroll wrap 72 extends 1 7Q0 further than orbiting scroll wrap 60. The asymmetrical profile of scroll wraps 60 and 72 causes the two fluid pockets created by wraps 60 and 72 to be initially sealed off at different positions of the orbiting motion of orbiting scroll member 56. Figure 4 illustrates the initial sealing point of an enclosed space 120 which is sealed when an outer surface 122 of orbiting scroll wrap 60 engages an inner surface 124 of non-orbiting scroll wrap 72. Just prior to the time of sealing enclosed space 120, vapor injection port 104 is sealed off or closed by orbiting scroll wrap 60 as shown in Figure 4. This ensures that there will not be any intermediate pressurized refrigerant vapor that is allowed to migrate to the suction chamber of compressor 10. Simultaneous with the sealing of enclosed space 120 by surfaces 122 and 124, orbiting scroll wrap 60 begins to uncover or open vapor injection port 104 to begin the injection of refrigerant vapor into enclosed space 120. While

Figure 4 is illustrated with vapor injection port 104 opening simultaneous with the sealing of enclosed space 120, it is within the scope of the present invention to open vapor injection port 104 prior to or subsequent to the sealing of enclosed space 120 if desired.